

**WHAT IS CLAIMED IS:**

1. An intraoral x-ray film packet, comprising:  
an outer envelope;  
a film chip disposed within the outer envelope; and  
a non-lead sheet disposed within the outer envelope, the non-lead sheet  
being comprised substantially of tin.
  
2. The intraoral x-ray film packet according to Claim 1, wherein  
the non-lead sheet is comprised of at least 99.95 percent tin.
  
3. The intraoral x-ray film packet according to Claim 1, wherein  
the non-lead sheet is comprised of about 99.975 percent tin.
  
4. The intraoral x-ray film packet according to Claim 1, wherein  
the non-lead sheet is a tin foil having a thickness of about 0.002 to about 0.0024  
inches.
  
5. The intraoral x-ray film packet according to Claim 1, wherein  
the non-lead sheet absorbs between about 60 kVp to about 80 kVp of radiation energy.
  
6. The intraoral x-ray film packet according to Claim 1, wherein  
the outer envelope includes a laminated perimetric edge.